



Emergency Action Plan Office of Emergency Services University of California Observatories, Lick Observatory

Building Name	Lick Observatory Campus
Department Name	UCO/Lick Observatory
Procedure Last Updated	June 1, 2018

Reporting Emergencies at the Lick Observatory

To Report...	Notify...	Contact Method
Emergencies	Police / Fire	911 / 408-779-4111
Non-emergency life and safety concerns	Santa Clara County Sheriff	408-299-2311
Chemical hazards / spills	Police / Fire	911 / 408-779-4111
Facility concerns	Facilities	408-238-9614 mh-facilities@ucolick.org

Lick Observatory Employee's Responsibilities During an Emergency

Employees are responsible for familiarizing themselves with campus emergency procedures and for following instructions provided by emergency first responders. If you have a specific emergency role within your department, and that role has changed, contact your supervisor for information related to your new or revised responsibilities.

Emergency procedures are recommended courses of action. When experiencing a critical incident, each individual must observe, assess, plan, and act based on their own confrontation of the events as they unfold.

UCO Lick Observatory Emergency Preparedness Resources

Topic	Source
<ul style="list-style-type: none">• Campus Emergency Operations Plan• Fire Extinguisher Training• Personal Emergency Procedures• Emergency Training Videos• Campus Emergency Procedures• Department Resiliency Planning	For emergency preparedness training and resources visit the Office of Emergency Services at https://oes.ucsc.edu/ and the UCSC Police Department at https://police.ucsc.edu/
To Register for CruzAlert	https://oes.ucsc.edu/cruzalert/
Specific Department Plans	Contact your supervisor

Building Alarms

Occupied campus buildings are equipped with fire alarms and pull trigger stations. When an alarm sounds, employees must evacuate immediately.

Procedures to Account for All Employees Following an Emergency Evacuation

When evacuating, employees shall assemble at the nearest emergency assembly area. Once there, employees shall 'check in' with a Building Emergency Coordinator, a Floor Marshal, or their supervisor. A roster shall account for all employees and shall be provided to emergency responders when requested (responders may include police, fire, Office of Emergency Services).

If it is not safe to assemble in the emergency assembly area, employees should seek the closest point of shelter and safety. Once there, employees shall 'check in' with a Building Emergency Coordinator, a Floor Marshal, or their supervisor. A roster shall account for all employees and shall be provided to emergency responders when requested (responders may include police, fire, Office of Emergency Services).

Emergency Evacuation and Response Procedures

EVENT	RESPONSE
BOMB THREAT	<p>If you receive a bomb threat via the telephone:</p> <ul style="list-style-type: none">❖ Stay calm and keep your voice calm.❖ Pay close attention to details. Talk to the caller to obtain as much information as possible.❖ Write down the date and time of the call.❖ Take notes. Pay attention to details. Ask as many questions as possible:<ul style="list-style-type: none">○ When will it explode?○ Where is it right now?○ What does it look like?

	<ul style="list-style-type: none"> ○ What kind of bomb is it? ○ Where did you leave it? ○ Did you place the bomb? ○ Who is the target? ○ Why did you plant it? ○ What is your address? ○ What is your name? <ul style="list-style-type: none"> ❖ Listen to the caller's voice. See if you can identify speech patterns (accent, tone). ❖ Emotional state (angry, agitated, calm, etc.)? ❖ Background noise (traffic, people talking and accents, music and type, etc.)? ❖ Age and gender? <p>For all types of bomb threats:</p> <ul style="list-style-type: none"> ❖ Write down: <ul style="list-style-type: none"> ○ The date and time the threat was received ○ How the threat was received (letter, note, telephone) ❖ Call the police and relay the information from the bomb threat. Follow the police's instructions. ❖ Check your work area for unfamiliar items. Do not touch suspicious items; report them to the police. ❖ If conditions are unsafe, or you are instructed by emergency responders to evacuate the building, evacuate immediately.
CRIMINAL OR VIOLENT INTRUDER / ACTIVE SHOOTER	<ul style="list-style-type: none"> ❖ Report suspicious situations or persons to campus police. ❖ Be familiar with your building: <ul style="list-style-type: none"> ○ Which rooms provide the most security? Seek rooms that can be locked, have no windows and have cell phone reception. ○ If possible, select rooms with a landline phone (note: cell towers may be overwhelmed or damaged during emergencies). ❖ When in danger, prepare to Run, Hide, or Fight. <ul style="list-style-type: none"> ○ RUN: Escape as soon as a threat is apparent. ○ HIDE: Locate a secure room: <ul style="list-style-type: none"> - Lock all doors. - Barricade doors with furniture. - Silence cell phones. - Do not congregate in one portion of the room. - Avoid areas that can be seen from outside the room. ○ FIGHT: Use any object that will serve to stop the attacker. If the doorway cannot be secured, quickly plan with others to stage an ambush near the entry. Tackle and pin the attacker when they pass through. Grab the weapon and push it to the ground. Protect yourselves! ❖ When police arrive, verify who they are, follow their instructions and keep your hands visible.

	<ul style="list-style-type: none"> ❖ If you are the victim of, are involved in, or are a witness to any violation of the law such as assault, robbery, theft, overt sexual behavior, etc. call the police as soon as possible. If it is safe, wait for police in order to provide them with more information.
DEMONSTRATION OR CIVIL DISTURBANCE	<ul style="list-style-type: none"> ❖ In the event of a building occupation, for safety purposes, employees are expected to leave the building and, to the degree possible, secure office areas behind them. Do not wait for instructions to evacuate. If it is not safe to exit, secure in place and call 911. ❖ When it is safe to do so, employees should meet at the building's designated Evacuation Areas. ❖ Check in with your Floor Marshal, Building Emergency Coordinator and/or supervisor for further instruction. ❖ If the assembly area is not safe, seek shelter and safety at an alternative location, then check in via phone or email with your Floor Marshal, Building Emergency Coordinator and/or supervisor. ❖ Upon exiting, if it is safe to do so, employees should: <ul style="list-style-type: none"> ○ Secure confidential and sensitive information ○ Lock and close all doors ○ Take your laptop ○ Take other personal items you will need
EARTHQUAKE	<p>Inside the Building:</p> <ul style="list-style-type: none"> ❖ Duck under the nearest sturdy object and hold onto it until the shaking stops. If you are not near a sturdy object, make yourself as small as possible and cover your head and neck. ❖ If you stand in a doorway, brace yourself against the frame and watch out for a swinging door or other obstruction. ❖ Avoid windows, filing cabinets, bookcases, and other heavy objects that could fall or shatter. ❖ Stay under cover until the shaking stops, then leave the building and go to the emergency assembly area or another designated location. Check in with a Floor Marshal, Building Emergency Coordinator and/or your supervisor. ❖ If it is safe before evacuating, stabilize any laboratory procedures or equipment that could create further hazards (e.g., turn off Bunsen burners and electrical equipment). <p>Outside the Building:</p> <ul style="list-style-type: none"> ❖ Move away from trees, signs, buildings, electrical poles, wires, fires, and smoke. ❖ Protect your head with your arms from falling debris. ❖ Proceed to the emergency assembly area or a pre-designated alternate assembly area. Report to your roll taker. ❖ Stay alert for further instructions.

ELEVATOR FAILURE	If you are trapped in an elevator, use the emergency telephone inside the elevator to call for assistance or press the elevator alarm inside the elevator to summon help.
EXPLOSION	<p>If there is an explosion:</p> <ul style="list-style-type: none"> ❖ Take cover under sturdy furniture, or leave the building if it is safe to do so. Follow directions provided by emergency responders. ❖ Stay away from windows. ❖ Do not light matches. ❖ Move away from the hazard site to a safe location. ❖ If instructed to evacuate, use the stairs only; do not use the elevators.
FIRE	<p>Building occupants are required by law to evacuate a building when a fire alarm sounds.</p> <ul style="list-style-type: none"> ❖ Evacuate using your closest and safest emergency exit (follow evacuation signage). ❖ If you see a fire and the alarm is not sounding, immediately notify the fire department by pulling the hand pull at the alarm station upon evacuating. Call 911 from a safe location to provide details of the situation. ❖ If trained and able and it is safe (with a sure and safe exit), use a portable fire extinguisher to extinguish the fire. Attempt no more than 5 seconds of extinguisher use to put out the fire. If the fire continues to burn, evacuate immediately. ❖ On your way out, warn others, and lock and close doors. ❖ Use stairs only; do not use elevators. ❖ Move away from fire and smoke. Close doors and windows if time permits. ❖ Touch closed doors with the back of your hand to check for heat. If cool, open slowly. Do not open doors if they are hot; seek an alternative exit. ❖ Re-enter the building only when instructed to do so by emergency responders.
FLOOD OR PLUMBING FAILURE	<ul style="list-style-type: none"> ❖ Cease using electrical equipment. ❖ Evacuate the building if necessary and proceed to the emergency assembly area. ❖ Call Facilities Supervisor, Joe Halay, 408-238-9614.
GAS SMELL	<p>If you smell propane:</p> <ul style="list-style-type: none"> ❖ Cease all operations immediately. ❖ Do not operate light switches. ❖ Evacuate as soon as possible. ❖ Call 911. ❖ Call Joe Halay, 408-238-9614 or 408-238-9611.
HAZARDOUS MATERIAL RELEASE	<p>For Non-Users of the Hazardous Material:</p> <ul style="list-style-type: none"> ❖ If a hazardous material is released or spilled near you and you are not a user nor knowledgeable about hazardous materials, call 911 immediately and move away from the release area.

	<p>For Users of the Hazardous Material:</p> <ul style="list-style-type: none"> ❖ If you are a hazardous material user and you caused the release of a hazardous material, follow the department's hazardous materials spill emergency procedures for cleaning up the spill. All hazardous materials users should be trained on proper use and storage of hazardous materials, including proper procedures for preventing spills and emergency procedures when a spill occurs. If you have not been trained and do not know what to do, leave the area and warn others. When you are at a safe location, call 911 immediately.
MEDICAL EMERGENCY	<ul style="list-style-type: none"> ❖ If you are injured or have a medical emergency in the workplace, call 911. If you are unable to use the phone, verbally call for help. Anyone who hears you should summon help by calling 911. ❖ If you witness an injury or medical emergency in the workplace, immediately assist the injured if it is safe for you to do so. Then call 911 as soon as possible from a safe location.
STEAM LINE FAILURE	<ul style="list-style-type: none"> ❖ Avoid live steam; serious burns can result. ❖ Call Facilities Supervisor (see contacts on page 1). If the space is leased, contact the building owner/manager immediately.
SUSPICIOUS PACKAGE	<ul style="list-style-type: none"> ❖ A suspicious-looking box, package, object, or container in or near your work area may be a bomb or explosive material. Do not handle or touch the object. Move to a safe area and call the police immediately. Use a telephone in a safe area. Do not operate any power switches, and do not activate the fire alarm.
UTILITY FAILURE	<ul style="list-style-type: none"> ❖ In the event of a major utility failure, notify Joe Halay, (408) 238-9614, mhfacilities@ucolick.org. After hours call the LO Emergency On Call contact person. If the space is leased, contact the owner or property manager. ❖ Evacuate the building if the fire alarm sounds and/or upon notification by police or CruzAlert. ❖ In laboratory buildings, fume hoods do not operate during a power outage and many laboratories should not be used until ventilation is properly restored.
VENTILATION PROBLEM	<p>If you smell odors coming from the ventilation system:</p> <ul style="list-style-type: none"> ❖ Immediately notify MH Facilities. If the space is leased, notify the building owner or contact person. ❖ If necessary, cease all operations immediately. ❖ If necessary, evacuate the building and proceed to the Emergency Assembly Area. ❖ If smoke is present, pull the fire alarm, then call police from a safe location.

Procedures for Critical Plant Equipment Shutdown before Evacuation (not applicable to all buildings)

Procedure	Person(s)/Position(s) Responsible	Emergency Phone Number
<p>Building 7208 Water Room: Set spring pumps to the OFF position</p> <p>Building 7263 Fire Booster Pump: Set Fire Booster pump to the OFF position</p> <p>Building 7282 Lower Shops (Generator Room): Set Emergency Generator to the OFF position</p> <p>Building 7279 L&M Building (Boiler Room): Set boilers in the OFF position SHUT feed water valves Propane valves in CLOSED position</p> <p>Building 7213 Old dorm (Boiler Room): 1. Boilers in the OFF position SHUT DOWN feed water valves Propane valves to CLOSED position 2. Water Heaters Feed water valves in CLOSED position Propane valves in CLOSED position</p> <p>Building 7212 New Dorm (boiler room): 1. Boilers in the OFF position SHUT DOWN feed water valves Propane valves to CLOSED position 2. Water Heater Feed water valves in CLOSED position</p>	<p>Kostas Chloros Superintendent</p> <p>Joe Halay Facilities Supervisor</p>	<p>408-238-9611</p> <p>Radio: <u>LICK T-1</u></p>

<u>Turn OFF the following main breakers in the following SubStations as needed:</u> SS#1 7297 - By Maintenance Shop SS#2 7295 - At Tortilla Flat residence 7225 SS#3 7286 - By Diner apartment SS#4 7288 – Old dorm west end SS#5 7285 - Rattle Snake Ridge by 7266 SS#6 - Astrograph and APF SS#7 - 120" Telescope: 3-m Shane, CAT and APF chiller SS#8 7289 – by Fire Booster Pump House		
All Telescope Domes: Telescopes in E-stop, Manual or OFF positions		
All Residences: SHUT OFF main incoming water valve, SHUT main propane valve at the tank		
Lock down all buildings		

Procedures for Performing Rescue or Medical Aid

1. Never place yourself in danger to rescue or assist others.
2. If you witness a medical emergency or someone needing rescue, call 911 and 408-238-9611.
3. Only provide lift or carry assistance if you have had proper training and are physically able to do so.
4. Automated External Defibrillators (AED) are a portable device that checks the heart rhythm and can send an electric shock to the heart to support a normal rhythm. AED and CPR may be performed following the instructions posted near the AED unit and by following specific visual or audible instructions provided by the AED unit itself. For complete AED guidelines, visit: <https://oes.ucsc.edu/public-education/cpr-training.html>

Promulgation

Supervisors shall distribute this plan to their employees annually. Post this plan in common breakroom areas and share the plan through your department's web page. New employees should receive this plan during their onboarding process (including student staff).

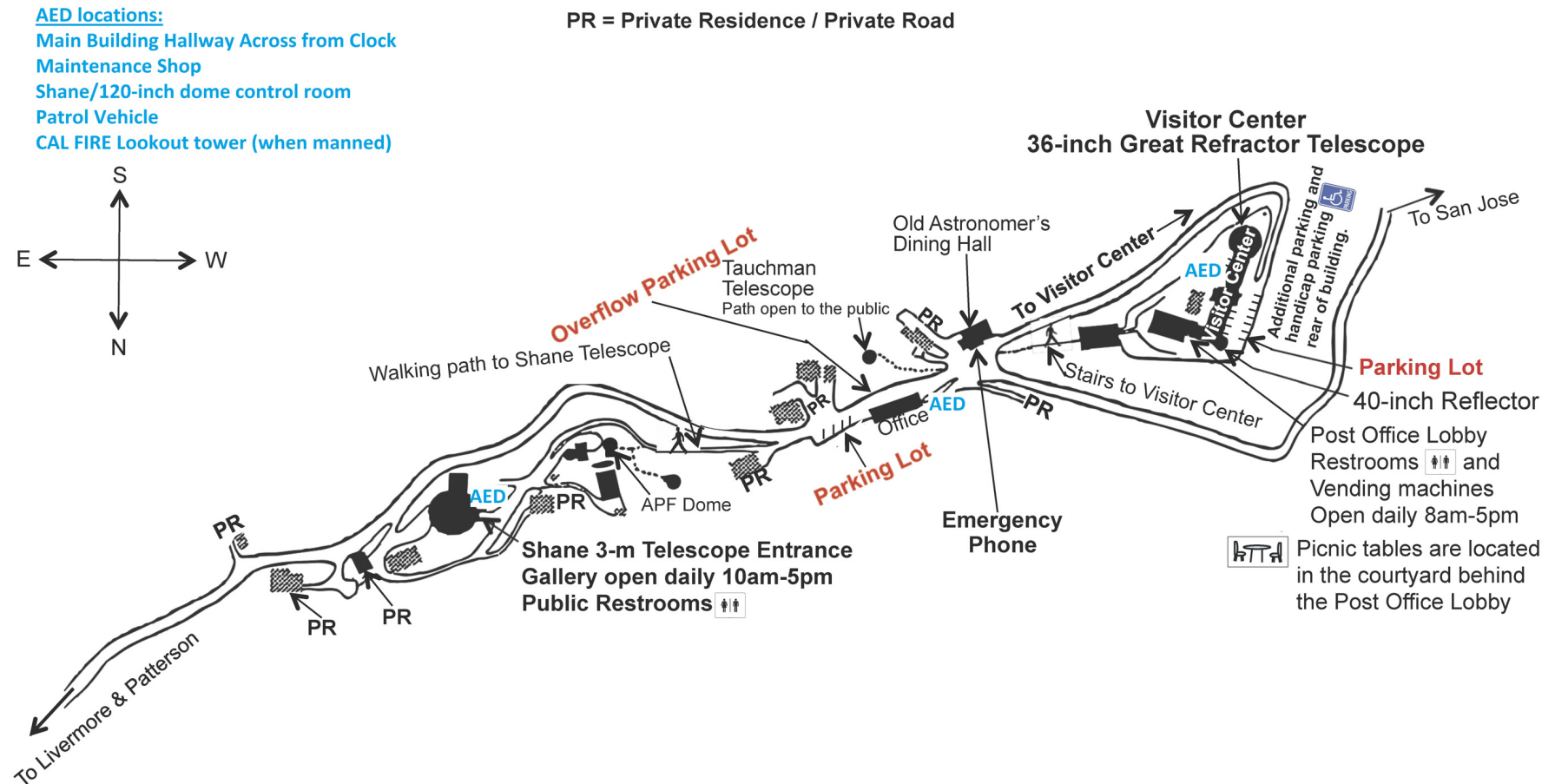
Department Contacts

List contacts specific to department emergency planning.

Kostas Chloros	408-238-9613	kostas@ucolick.org
Joe Halay	408-238-9614	jhalay@ucolick.org

Welcome to Lick Observatory

The Visitor Center is open Thursday-Sunday 12-5pm, Federal Holidays except Thanksgiving, Christmas Eve and Christmas day.
Great Refractor Telescope Showings: 12:30, 1:30, 2:30, 3:30 and 4:30 in the Visitor Center.



For Urgent Observatory services call 1-408-238-9611 or dial 8-9611 from Observatory phones.

For Emergency Services call 911 or dial 9-911 from Observatory phones.

Contact us at: mhadm@ucolick.org . For more information visit: www.ucolick.org/public